#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	General Electric Company	
Serial No.:	;	Attn: LICENSING AND REVIEW
Filed:	December 12, 2003	
	ARTICLE PROTECTED BY CERIUM OXIDE-ENRICHED OR INFILTRATION	A THERMAL BARRIER COATING SURFACE PRODUCED BY

### DECLARATION UNDER SECTION 305(c) OF THE NATIONAL AERONAUTICS AND SPACE ACT OF 1958

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

SIR:

We, John Frederick ACKERMAN, Venkat Subramanian VENKATARAMANI, Irene T. SPITSBERG, Brett Allen Rohrer BOUTWELL, and Ramgopal DAROLIA, hereby declare:

That we are the inventors of the invention described and claimed in the abovereferenced U.S. Patent Application;

That the invention was made while we were employed by the General Electric Company, the assignee of the subject invention, using only the resources of the General Electric Company, including, for example, its funds, facilities, materials, information, and services;

That the invention set forth in the above-referenced U.S. Patent Application was not made (conceived or first actually reduced to practice) under, nor is there any known relationship of the making of the invention to the performance of, any work under any contract of the National Aeronautics and Space Administration;

That we signed this declaration on the date we signed the form papers accompanying the filing of the above-referenced U.S. Patent Application with the understanding that the attorney of record would later insert the appropriate serial

number and filing date hereinabove before submitting this Declaration to the U.S. Patent and Trademark Office;

That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therein.

12/5/03 (Date)	John Frederic Ocheman
(Dáte) <sup>(</sup>	John Frederick ACKERMAN
12/10/03 (Date)	Venkat Subramanian VENKATARAMANI
11/24/03 (Date)	Irene T. SPITSBERG
<u>11/24/03</u> (Date)	Brett Allen Rohren Boutwell  Brett Allen Rohrer BOUTWELL
1/24/2003 (Date)	Rampopal DAROLIA

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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#### **POWER OF ATTORNEY** and **CORRESPONDENCE ADDRESS INDICATION FORM**

Application Number	
Filing Date	December 12, 2003
First Named Inventor	ACKERMAN et al.
Title	ARTICLE PROTECTED BY A THERMAL BARRIER COATING HAVING A CERIUM OXIDE-ENRICHED SURFACE PRODUCED BY PRECURSOR INFILTRATION
Art Unit	n/a
Examiner Name	n/a
Attorney Docket Number	130013/11031 /31635 0116)

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	Assignee of record of the entire interest. See 37 CFR 3.71.							
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		SIGN	NATURE of Applic	ant or Assignee	of Re	cord		
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Sign	ature Tohn X	reder	kldeke.					
Date				Telephone				
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PTO/SB/81 (06-03)

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Art Unit	n/a
Examiner Name	n/a
Attorney Docket Number	130013/11921 (21635-0116)

I hereby appoint:  Practicioners at Customer Number: OR Practicioner(s) named below::  Name Registration Number  Name Registration Number  as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.  Please recognize or change the correspondence address for the above-identified application to:  The above-mentioned Customer Number: OR The address associated with Customer Number: OR Firm or Individual Name Address Address City State Zip Country
Practicioner(s) named below::  Name Registration Number  as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.  Please recognize or change the correspondence address for the above-identified application to:  The above-mentioned Customer Number:  OR The address associated with Customer Number:  OR Firm or Individual Name Address Address City State Zip
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OR  Firm or Individual Name  Address Address City State Zip
Firm or Individual Name  Address Address City State Zip
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Address City State Zip
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Country
1 004
Telephone Fax
I am the:
Applicant/Inventor.
Assignee of record of the entire interest. See 37 CFR 3.71.  Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
SIGNATURE of Applicant or Assignee of Record
Name Venkat Subramanian Venkataramani
Signature levet sur recent
Date 12.10.07 Telephone 518 387 5322
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.  Submit multiple forms if more than one signature is required, see below.
*Total of 5 forms are submitted.

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#### **POWER OF ATTORNEY** and **CORRESPONDENCE ADDRESS INDICATION FORM**

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Filing Date	December 12, 2003
First Named Inventor	ACKERMAN et al.
Title	ARTICLE PROTECTED BY A THERMAL BARRIER COATING HAVING A CERIUM OXIDE-ENRICHED SURFACE PRODUCED BY PRECURSOR INFILTRATION
Art Unit	n/a
Examiner Name	n/a
Attorney Docket Number	120012/11021 /21025 0110)

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Applicant/Inventor.	
Assignee of record of the ent	ire interest. See 37 CFR 3.71.
	(3(b) is enclosed. (Form PTO/SB/96).
SIGN	NATURE of Applicant or Assignee of Record
Name Irene T. Spitsberg	
Signature theriespital	
Date ///24/03	Telephone 573 243 -0168
NOTE: Signatures of all the inventors or assignees of Submit multiple forms if more than one signature is re	record of the entire interest or their representative(s) are required.
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PTO/SB/81 (06-03)

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Attorney Docket Number	130013/11921 (21635-0116)

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Art Unit	n/a
Examiner Name	n/a
Attorney Docket Number	130013/11921 (21635-0116)

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Applicant/Inventor.	•			
Assignee of record of	the entire interest. See 37	CFR 3.71.		
	FR 3.73(b) is enclosed. (F			
	SIGNATURE of Applica	ant or Assignee of Re	ecord	
Name Ramgopal Darolia				
Signature lamporation	Darolo.			
7, 1	24/2003		513) 243-4509	
NOTE: Signatures of all the inventors of assi Submit multiple forms if more than one signa	gnees of record of the entire inter-	est or their representative(s)	are required.	

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## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention   ARTICLE PROTECTED BY A THERMAL BARRIER COATING HAVING A CERIUM OXIDE-ENRICHED SURFACE PRODUCED BY PRECURSOR INFILTRATION				
As the below named inventor(s), I/we declare that:				
This declaration is directed to:				
	The attached application, or			
	Application No, filed on,			
	as amended on (if applicable);			
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;				
I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;				
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and				
All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.				
FULL NAME OF INVENTOR(S)				
Inventor one: John Frederick	Ackerman			
Signature. Zhu Reed	Onk Oke Citizen of: United States of America			
Inventor two: Venkat Subram	nanian Venkataramani			
Signature: Vent Solor	Citizen of: United States of America			
Inventor three: Irene T. Spitsb	erg			
Signature: Benespil	Sterp Citizen of: United States of America			
Inventor four: Brett Allen Rohrer Boutwell				
Signature: Butt allan 1	Rohm Boutwell Citizen of: United States of America			

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Additional inventors are being named on 1 additional form(s) attached hereto.

#### **DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

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This declaration is directed to:				
$\boxtimes$	The attached application, or			
	Application No, filed on,			
as amended on (if applicable);				
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;				
I/ we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;				
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and				
All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001. and may jeopardize the validity of the application or any patent issuing thereon.				
FULL NAME OF INVENTOR(S)				
Inventor one: Ramgopal Darolia				
Signature:	al Daroli	Citizen of:	United States of America	
Inventor two:				
Signature:		Citizen of:		
Inventor three:				
Signature:		_ Citizen of:	·	
Inventor four:				
Signature:		Citizen of:		
Additional inventors are being named on 1 additional form(s) attached hereto.				